Listing of the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1. (currently amended) A catalyst composition for the polymerization of propylene or mixtures of propylene and one or more copolymerizable comonomers, said catalyst composition comprising:

one or more Ziegler-Natta procatalyst compositions comprising one or more transition metal compounds and one or more monoesters of aromatic carboxylic acid internal electron donors;

one or more aluminum containing cocatalysts; and

a mixture of two or more different selectivity control agents, said SCA mixture comprising i) ~~from 70 to 98 mol percent of~~one or more esters of one or more aromatic monocarboxylic acids or substituted derivatives thereof, and ii) ~~from 30 to 2 mol percent of~~dicyclopentyldimethoxysilane. ~~one or more alkoxysilane compounds containing one or more 5- or 6-membered cyclic groups optionally containing one or more Group 14, 15 or 16 heteroatoms~~.

Claim 2. (original) The catalyst composition of claim 1 wherein the internal electron donor is ethyl benzoate.

Claim 3. (currently amended) The catalyst composition of claims 1 or 2 wherein the SCA mixture comprises ethyl p-ethoxybenzoate. ~~and an alkoxysilane selected from the group consisting of dicyclopentyldimethoxysilane, methylcyclohexyldimethoxysilane, ethylcyclohexyldimethoxysilane, dicyclohexyldimethoxysilane, methylcyclopentyldimethoxysilane, cyclopentyltrimethoxysilane, isopropylcyclohexyldimethoxysilane, ethylcyclopentyldimethoxysilane, cyclopentylpyrrolidinodimethoxysilane, bis(pyrrolidino)dimethoxysilane, bis(perhydroisoquinolino)dimethoxysilane, bis(perhydroquinolino)dimethoxysilane, bis(perhydroisoindolino)dimethoxysilane,~~

~~bis(perhydroindolino)dimethoxysilane, and~~
~~(perhydroquinolino)(perhydroisoquinolino)dimethoxysilane.~~

Claim 4. (currently amended) The catalyst composition of claim 1~~claim 3~~ comprising from 70 to 98 mol percent of one or more esters of one or more aromatic monocarboxylic acids or substituted derivatives thereof, and from 30 to 2 mol percent of ~~alkoxysilane is~~ dicyclopentyldimethoxysilane ~~or methylcyclohexyldimethoxysilane~~.

Claim 5. (original) A catalyst composition according to claim 1 wherein the total quantity of selectivity control agent employed is limited to provide a molar ratio, based on transition metal, from 1 to 100.

Claim 6. (currently amended) A method of polymerizing propylene or mixtures of propylene and one or more copolymerizable comonomers comprising:

contacting said monomer or monomer mixture at a temperature from 45 to 90 °C with a catalyst composition comprising one or more Ziegler-Natta procatalyst compositions comprising one or more transition metal compounds and one or more internal electron donors selected from the group consisting of esters of aromatic monocarboxylic acids,; one or more aluminum containing cocatalysts,; and a mixture of two or more different selectivity control agents, said SCA mixture comprising ~~from 70 to 98 mol percent of~~ i) one or more esters of one or more aromatic monocarboxylic acids or substituted derivatives thereof, and ii) dicyclopentyldimethoxysilane~~from 30 to 2 mol percent of one or more alkoxysilane compounds containing one or more 5- or 6-membered cyclic groups optionally containing one or more Group 14, 15 or 16 heteroatoms~~.

Claim 7. (original) The method of claim 6 conducted at a temperature from 67 to 90 °C.

Claim 8. (original) The method of claim 6 wherein the internal electron donor is ethyl benzoate.

Claim 9. (currently amended) The method of claim 6 comprising forming ~~wherein~~ the SCA mixture before the contacting ~~comprises ethyl p-ethoxybenzoate and an alkoxysilane selected from the group consisting of dicyclopentyldi-methoxysilane, methylcyclohexyldimethoxysilane, ethylcyclohexyldimethoxysilane, dicyclohexyldimethoxysilane, methylcyclopentyldimethoxysilane, cyclopentyltrimethoxysilane, isopropylcyclohexyldimethoxysilane, ethylcyclopentyldimethoxysilane, cyclopentylpyrrolidinodimethoxysilane, bis(pyrrolidino)dimethoxysilane, bis(perhydroisoquinolino)dimethoxysilane, bis(perhydroquinolino)dimethoxysilane, bis(perhydroisoindolino)dimethoxysilane, bis(perhydroindolino)dimethoxysilane, and (perhydroquinolino)(perhydroisoquinolino)dimethoxysilane~~.

Claim 10. (currently amended) The method of claim 6 wherein the catalyst composition comprises from 70 to 98 mol percent of one or more esters of one or more aromatic monocarboxylic acids or substituted derivatives thereof, and from 30 to 2 mol percent of ~~alkoxysilane is~~ dicyclopentyldimethoxysilane ~~or methylcyclohexyldimethoxysilane~~.

Claim 11. (original) The method according to any one of claims 6-10 conducted under gas phase polymerization conditions.

Claim 12. (original) The method according to any one of claims 6-10 which is conducted in more than one reactor operating in series.

Claim 13. (new) The method of claim 6 comprising forming a polypropylene having a titanium residual of less than 6 ppm.

Claim 14. (new) The method of claim 6 comprising forming a polypropylene having a xylene solubles content of less than 4% by weight.

Claim 15. (new) The catalyst composition according to claim 1 comprising 75 to 95 mol percent of one or more esters of one or more aromatic monocarboxylic acids or substituted derivatives thereof, and from 25 to 5 mol percent of dicyclopentyldimethoxysilane.

Claim 16. (new) The catalyst composition according to claim 1 comprising 80 to 90 mol percent of one or more esters of one or more aromatic monocarboxylic acids or substituted derivatives thereof, and from 20 to 10 mol percent of dicyclopentyldimethoxysilane.

Claim 17. (new) The catalyst composition according to claim 1 comprising 95 mol percent of ethyl p-ethoxybenzoate and 5 mol percent of dicyclopentyldimethoxysilane.

Claim 18. (new) The catalyst composition according to claim 1 comprising 80 mol percent of ethyl p-ethoxybenzoate and 20 mol percent of dicyclopentyldimethoxysilane.

Claim 19. (new) A catalyst composition for the polymerization of propylene or mixtures of propylene and one or more copolymerizable comonomers, said catalyst composition comprising:

one or more Ziegler-Natta procatalyst compositions comprising one or more transition metal compounds and one or more monoesters of aromatic carboxylic acid internal electron donors;

one or more aluminum containing cocatalysts; and

a mixture of two or more different selectivity control agents, said SCA mixture comprising (i) one or more esters of one or more aromatic monocarboxylic acids or substituted derivatives thereof, and (ii) an alkoxysilane selected from the group consisting of dicyclopentyldimethoxysilane, ethylcyclohexyldimethoxysilane, dicyclohexyldimethoxysilane, methylcyclopentyldimethoxysilane, cyclopentyltrimethoxysilane, isopropylcyclohexyldimethoxysilane, ethylcyclopentyldimethoxysilane, cyclopentylpyrrolidinodimethoxysilane, bis(pyrrolidino)dimethoxysilane, bis(perhydroisoquinolino)dimethoxysilane, bis(perhydroquinolino)dimethoxysilane,

bis(perhydroisoindolino)dimethoxysilane, bis(perhydroindolino)dimethoxysilane, and (perhydroquinolino)(perhydroisoquinolino)dimethoxysilane.

Claim 20. (new) The catalyst composition according to claim 19 comprising from 70 to 98 mol percent of the one or more esters of one or more aromatic monocarboxylic acids or substituted derivatives thereof, and from 30 to 2 mol percent of the alkoxysilane.